

WATER TREATMENT PLANT OPERATOR (C) - 2901

GENERAL DEFINITION AND CONDITIONS OF WORK:

Performs intermediate semiskilled work operating a water treatment plant; does related work as required. Work is performed under immediate supervision.

This is heavy work requiring the exertion of 100 pounds of force occasionally, up to 50 pounds of force frequently, and up to 20 pounds of force constantly to move objects; work requires climbing, stooping, kneeling, crouching, reaching, standing, walking, lifting, fingering, grasping, and feeling; vocal communication is required for expressing or exchanging ideas by means of the spoken word; hearing is required to perceive information at normal spoken word levels; visual acuity is required for depth perception, color perception, preparing and analyzing written or computer data, visual inspection involving small defects and/or small parts, use of measuring devices, assembly or fabrication of parts at or within arms length, operation of machines, operation of motor vehicles or equipment, determining the accuracy and thoroughness of work, and observing general surroundings and activities; the worker is subject to inside and outside environmental conditions, extreme cold, extreme heat, noise, hazards, atmospheric conditions, and wearing a self contained breathing apparatus.

ESSENTIAL FUNCTIONS/TYPICAL TASKS:

Assisting in the operation of the water treatment plant; taking samples; performing routine tests; ensuring proper plant operation; maintaining records and files; preparing reports.

Makes regular inspection of plant and equipment to ascertain that it is in proper operation at all times;

Advises and assists when corrective action is required;

Collects samples for testing; performs tests relating to plant operations;

Checks all plant equipment and biological and chemical systems for proper operation and takes or advises necessary corrective actions;

Replaces chlorine cylinders and regulates the flow of chlorine;

Reads meters, gauges and dials and keeps logs of readings;

Reports needs for equipment repairs;

Backwashes filters; fills chemical feeder hoppers;

Participates in classroom and on-the-job training to ensure timely attainment of additional operator certifications;

Performs plant maintenance, bulk chemical handling, groundskeeping and housekeeping duties;

Performs basic laboratory tests;

Assists with unloading, storage and dumping of bulk chemicals;

Keeps records and prepares reports;

Performs related tasks as required.

KNOWLEDGE, SKILLS, AND ABILITIES:

General knowledge of water treatment plant principles and operating practices; some knowledge of the operating characteristics and maintenance requirements of a water treatment plant; ability to detect flaws in the operation of equipment and to effect proper remedial measures; ability to keep records and prepare reports; ability to establish and maintain effective working relationships with associates.

EDUCATION AND EXPERIENCE:

Any combination of education and experience equivalent to graduation from high school supplemented by on-the-job and formal instruction in water treatment plant operations and some experience in the operation of a water treatment plant.

SPECIAL REQUIREMENTS:

Possession of Grade C certification issued by the State of North Carolina.